# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



734D1 Coax - 734D Series

For more Information please call

1-800-Belden1



# **Description:**

20 AWG solid .032" (.81mm) silver-plated copper conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), overall PVC jacket.

### **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	SPC - Silver Plated Copper	.032

#### Insulation

#### Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.148

#### **Outer Shield**

#### **Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

#### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.235 in.

#### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	31 lbs/1000 ft.
Max. Recommended Pulling Tension:	60 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

#### **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

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CA Prop 65 (CJ for Wire & Cable):	Yes	
MII Order #39 (China RoHS):	Yes	
Other Specification: Telcordia Specification GR-139-CORE		
Flame Test		
UL Flame Test:	UL1666 Vertical Shaft	
C(UL) Flame Test:	FT4	
Suitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Suitability - Burial:	No	
Plenum/Non-Plenum		
Plenum (Y/N):	No	
Plenum Number:	734D1P	

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (	Ohm)
75	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.8

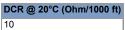
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

	(Ohm/1000 ft)
2.4	

Max. Operating Voltage - UL:

Voltage			
300 V	RMS		

Other Electrical Characteristic 1:	Impedance tested a accordance with ASTM D-4566 Paragraph 43.2, option 2 using a 75 OHM fixed bridge and terminaiton
Other Electrical Characteristic 2:	RL tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 OHM fixed bridge and termination.
Other Electrical Characteristic 3:	100% Sweep tested

#### Minimum Return Loss:

Descrip	otion	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
			15	95	30

#### **Related Documents:**

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No related documents are available for this product

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D1 0081000	1,000 FT	36.000 LB	GRAY	С	#20 GIFHDLDPE SH PVC
734D1 008500	500 FT	18.000 LB	GRAY		#20 GIFHDLDPE SH PVC

C = CRATE REEL PUT-UP.

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